



**SOLAR COMFORT**

**CALIFORNIA**

*Radiant Barrier for Windows*

## Physical and Performance Characteristics

### Reductive Values differentiate Solar Comfort material from typical window coverings

SOLAR COMFORT MATERIAL STATS		CHARACTERISTICS VALUES %			REDUCTIVE VALUES %		
Description	Name	OPENESS FACTOR	HEAT ABSORPTION	VISIBLE LIGHT TRANSMISSION	SOLAR ENERGY	SOLAR TRANSMISSION	UV
SHEAR WHITE 38.6%	SC 400 W	38	11	50	63	64	71
WHITE 30%	SC 300 W	30	14	39	69	70	86
<p>NOTES: Solar Comfort is a radiant barrier and therefore is a highly effective product to reduce true heat gain and heat loss that is associated with window systems. The VALUES listed above are straight statistical characteristics of the material and are common ratings to most all window coverings. The REDUCTIVE VALUES however are different than typical window coverings ratings in that we test the product as to the real time influence that it adds to any window system. The ratings do not include the reductions that glass adds to the usual stats such as shading (18% average). The percentages listed are real time reductive values that the product adds to any existing window system and can be tested to validate the end results with simple meters. With these numbers we can conduct proper load evaluation for projected energy savings.</p>							
<p>Uv NOTE: Uv is needed by the body to produce vitamin D. The amount of Uv that is allowed through the blinds is very safe and is about the same as Level 1-2 on the Uv scale. SAFE AND HEALTHFUL FOR HUMANS.</p>							

Fenestration data were obtained on the shade materials supplied and identified by Solar Comfort. Matrix, Inc. completed the testing on December 18, 2007 at its solar laboratory. The samples were tested in accordance with ASHRAE Standard 74-1988, "Method of Measuring Solar-Optical Properties of Materials".

Both values stats have been confirmed by the testing in actual applications and not only in lab situations.